Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		39	
LM End	0.00	Issue Type +	Ma	Location * N/A			
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory		Start		End			
Operations & Maintenance					0		0
item	Manuals				0		0
DWR ID DWR_RD1602_01_s _ 2012_39							
		Comn	nent Cod	de			
		Inspecto	or Comm	nent			
The LMA h	nas all the	O&M manuals	S.				

No Photos

Issue No. Rating ** Α 0.00 77 LM Start 0.00 Issue Type + Ма Location * N/A LM End Earthen Levee GPS Latitude/Longitude Category Start End Emergency Supplies & Item Equipment DWR_RD1602_01_s _ 2012_77 DWR ID Comment Code

No Photos

Inspector Comment

The LMA has enough flood materials in case of an incident.

LM Start	0.00	Rating **	Α	Issue No.		97		
LM End	0.00	Issue Type +	Ма	Location *		N/A		
Category Earthen Levee			GPS La	atitud	le/Longitude			
Calegory				Start		End		
Flood Preparedness & Training				0		0		
item			0		0			
DWR ID	DWR_RD1	602_01_s _ 201	2_97					
		Comn	nent Cod	le				
		Inspecto	or Comm	ent				

No Photos

The LMA has solid understanding and most of them have flood prepareness training. They will have more training this year with other districts.

* Location LS: Land Side N/A: Not Applicable WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	0.09	Rating **	М	Issue No.		60	
LM End	0.11	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	n Trees		37.4771	61 °	37.477299°		
item				-121.082504°		-121.082084°	
DWR ID DWR_RD1602_01_s _ 2018_60							
		Comn	nent Cod	de			
T1 : Trim t	rees to at	east five feet	above g	round level			
		Inspecto	or Comm	nent			
		тороок	J. 00	10111			



Looking upstream at trees on landward slope.

LM Start	0.13	Rating **	М	Issue No.	108		
LM End	0.56	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
				Start		End	
Itom	Vegetatio	n		37.4772	32°	37.480281 °	
Item S				-121.0818	56°	-121.075095 °	
DWR ID	DWR_RD1	8_108			·		
	Comment Code						

V1: Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No Photos

LM Start	0.13	Rating **	М	Issue No.		109		
LM End	0.55	Issue Type +	Ma	Location *	WS			
Category	Earthen L	evee		GPS Latitude/Longitude				
Category				Start		End		
Item	Vegetation			37.4772	36°	37.480261	0	
пеш				-121.0818	54°	-121.075148	0	
DWR ID	DWR_RD1	602_01_f _ 201	8_109					
		Comn	nent Coo	de				
V1 : Contro easements		grass and wee	eds on th	e levee slop	oes	and		

Inspector Comment

No Photos

* Location LS : Land Side

N/A: Not Applicable WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	0.13	Rating **	М	Issue No.		111	
LM End	0.48	Issue Type +	Ma	Location *	CR		
Category Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Item	Vegetatio	n		37.477237°		37.479711°	
item				-121.081854°		-121.076329°	
DWR ID	DWR_RD1	602_01_f _ 201	8_111				
		Comn	nent Cod	de			
	V1 : Control annual grass and weeds on the levee slopes and easements.						
	Inspector Comment						

No Photos

LM Start	0.18	Rating **	М	Issue No.		20		
LM End	0.18	Issue Type +	Ma	Location *	LS			
Catagony	Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End		
Item	Animal Control			37.477575°		37.477575	0	
пеш				-121.0809	43°	-121.080943	0	
DWR ID DWR_RD1602_01_f _ 2016_20							Ī	
	Comment Code							

No Photos

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

LM Start	0.20	Rating **	М	Issue No.	28		
LM End	0.20	Issue Type +	Ma	Location *	WS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Animal Control				37.4777	06°	37.477706°	
item				-121.0806	74°	-121.080674°	
DWR ID DWR_RD1602_01_f _ 2015_28							
Comment Code							

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



Updated picture of the rodent hole on the waterside of the levee during spring 2016 inspection.

* Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

** Rating

A : Acceptable N : Not Inspected/Rated M : Maintenance Deficiancy

C : Corrected Ob : Design & System Obsolescence

U : Unacceptable A/W : Acceptable but Monitor & Maintain

** Rating

A : Acceptable M : Monitor & Maintain

C : Corrected Ob : Design & System Obsolescence

En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

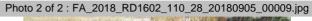
Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	0.20	Rating **	М	Issue No.	28 (cont)		
LM End	0.20	Issue Type +	Ма	Location *	WS		
Category Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End	
Item	Animal Co	ontrol		37.477706°		37.477706°	
item				-121.0806	74°	-121.080674°	
DWR ID DWR_RD1602_01_f _ 2015_28							
Comment Code							

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment





A rodent hole was found on the waterside of the levee.

LM Start	0.26	Rating **	М	Issue No.		29
LM End	0.26	Issue Type + Ma Location *		Location *		WS
Category	evee	GPS Latitude/Longitude				
Calegory				Start		End
Item	Animal Control			37.4781	38°	37.478138°
пеш				-121.0798	10°	-121.079810°
DWR ID	DWR_RD1602_01_f _ 2017_29					

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

LM Start	0.26	Rating **	М	Issue No.	29 (cont)
LM End	0.26	Issue Type +	Ma	Location *	WS

Photo 1 of 2: FA_2018_RD1602_110_29_20180905_00010.jpg



View of a rodent hole on the waterside of the levee. Fall 2017

Photo 2 of 2: FA_2018_RD1602_110_29_20180905_00011.jpg



Looking at typical rodent holes on waterward slope. (Spring 2018)

* Location
LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

** Rating
A: Acceptable
N: Not Inspected/Rated
M: Minimally Acceptable
C: Corrected
U: Unacceptable
A/W: Acceptable but Monitor & Maintain

** Rating
A: Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	0.47	Rating **	М	Issue No.	31		
LM End	0.47	Issue Type +	Ма	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory			Start		End		
Animal Control			37.4796	59°	37.479659°		
пеш			-121.076419°		-121.076419°		
DWR ID	DWR_RD1	602_01_f _ 201	5_31				
		Comn	nent Cod	de			
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.							
Inspector Comment							

No Photos

Issue No. Rating ** 0.50 Μ 110 LM Start 0.50 Issue Type + Ма Location * LS LM End Earthen Levee GPS Latitude/Longitude Category Start End **Animal Control** 37.479899° 37.479899° Item -121.075930 ° -121.075930 ° DWR_RD1602_01_f _ 2018_110 DWR ID Comment Code

No Photos

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

LS : Land Side N/A: Not Applicable WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	0.58	Rating **	A/W	Issue No.		200	
LM End	0.58	Issue Type +	Ма	Location *			
Category				GPS Latitude/Longitude			
Calegory				Start		End	
Item	DWR UCIP LMA Responsibility			37.48018	2 °	37.480182°	
пеш				-121.07476	5 °	-121.074765°	
DWR ID	20215						

Inspector Comment

Comment Code

FS_ID:51325 DS_ID:20215 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 11/18/2016 Crossing has been downgraded from Urgent to No Action Needed a cover has been added to the CMP riser. (O. Magana - DWR UCIP)10/01/2013 Open 60-inch CMP riser on WS needs lid as it's depth may be a hazard to the public. (W. Wylie - DWR LICIP)

FIELD_STRUCT_DESC: 16-inch steel drainage pipe through levee, 11.3 feet below crown. Slide gate in 60-inch corrugated metal pipe (CMP) riser located on the waterside (WS). Concrete inlet is approximately 110 feet west of the levee crown or 110 feet off landside (LS) toe next to roadway. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin River O&M Manual Unit 13, April 1964, (HLM 0.58), Drawing No. 7-4-1784].

A/W

Ма

Issue No.

Location '

Rating **

Issue Type +

FS Date: 11/18/2016

0.58

0.58

LM Start

LM End

Photo 1 of 3 : UCIP_FA_2	2018_51325_36702.jpg
1	00/50/5013 02:35

60-inch CMP riser on WS shoulder.



200 (cont)

Photo 2 of 3: UCIP_FA_2018_51325_36701.jpg



CMP riser with slide gate on WS shoulder.

* Location

LS: Land Side N/A: Not Applicable

WS: Water Side

CR: Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected + Issue Type
Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	0.58	Rating **	A/W	Issue No.		200 (cont)
LM End	0.58	Issue Type +	Ма	Location *		
Category				GPS Latitude/Longitude		
Calegory				Start		End
Item	DWR UCIP LMA Responsibility			37.48018	32°	37.480182°
пеш			-121.07476	65 °	-121.074765 °	
DWR ID	20215					

Inspector Comment

Comment Code

FS_ID:51325 DS_ID:20215 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 11/18/2016 Crossing has been downgraded from Urgent to No Action Needed a cover has been added to the CMP riser. (O. Magana - DWR UCIP)10/01/2013 Open 60-inch CMP riser on WS needs lid as it's depth may be a hazard to the public. (W. Wylie - DWR LICIP)

FIELD_STRUCT_DESC: 16-inch steel drainage pipe through levee, 11.3 feet below crown. Slide gate in 60-inch corrugated metal pipe (CMP) riser located on the waterside (WS). Concrete inlet is approximately 110 feet west of the levee crown or 110 feet off landside (LS) toe next to roadway. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin River O&M Manual Unit 13, April 1964, (HLM 0.58), Drawing No. 7-4-1784].

Photo 3 of 3: UCIP_FA_2018_51325_36700.jpg



Damaged Wooden lid on WS toe.

LM Start	0.59	Rating **	М	Issue No.		105	
LM End	1.17	Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory			Start		End		
Item	Vegetatio	n		37.479981 ° 37.478		37.478261 °	
пеш			-121.0745	95 °	-121.065861 °		
DWR ID DWR_RD1602_01_f _ 2018_105							
Comment Code							

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

	_						
LM Start	0.59	Rating **	М	Issue No.		106	
LM End	1.17	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	, Vegetation				° 08	37.478266 °	
пеш				-121.074595° -121.06586			
DWR ID	DWR_RD1	602_01_f _ 201	8_106				
		Comn	nent Cod	de			
	V1 : Control annual grass and weeds on the levee slopes and easements.						
	Inspector Comment						

No Photos

LM Start	0.63	Rating **	М	Issue No.	107		
LM End	0.63	Issue Type +	Ма	Location *	LS		
Category Earthen Levee				GPS La	atitud	e/Longitude	
Calegory	Category					End	
ltom	Animal Co	ontrol		37.4795	69°	37.479569	0
пеш	Item					-121.074299	0
DWR ID DWR_RD1602_01_f _ 2018_107							
Comment Code							

No Photos

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

LM Start	0.64	Rating **	М	Issue No.	30	
LM End	0.64	Issue Type +	Ma	Location *	WS	
Category Earthen Levee				GPS La	titud	e/Longitude
Calegory	Category					End
Item	Animal Co	ontrol		37.4793	91 °	37.479391°
item		-121.0741	68°	-121.074168°		
DWR ID DWR_RD1602_01_f _ 2017_30						
Comment Code						

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



Photo 1 of 1: FA_2018_RD1602_110_30_20180905_00012.jpg

View of rodent holes on the waterside slope of the levee. Fall 2017

* Location

LS: Land Side N/A: Not Applicable

WS : Water Side N/A : Not App

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated

C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	0.77	Rating ** A/W		Issue No.		202
LM End	0.77	Issue Type +	Ma	Location *		
Category	Suppleme	ental		GPS La	tituc	le/Longitude
Calegory						End
Item	DWR UCI	P LMA Respo	onsibility	37.47799	93 °	37.477993°
пеш			-121.07264	15 °	-121.072645 °	
DWR ID	20216					

Inspector Comment

Comment Code

FS_ID:51634 DS_ID:20216 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 11/18/2016 Crossing has been downgraded from Urgent to No Action Needed the debris blocking the outlet has been cleared. (O. Magana - DWR UCIP)10/01/2013 Flap gate blocked from functioning by soil buildup on WS toe. Soil should be cleared. (W. Wylie - DWR UCIP)

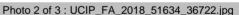
FIELD_STRUCT_DESC: 30-inch square reinforced concrete box culvert through levee, 14.4 feet below crown. Concrete "U" headwall on the waterside (WS) and landside (LS) ends. Slide gate in 6-foot by 7-foot concrete surge box is located on the WS shoulder. Flap gate is located on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin River O&M Manual Unit 13, April 1964, (HLM 0.78), Drawing No. 7-4-1784].

FS Date: 11/18/2016

LM Start	0.77	Rating **	A/W	Issue No.	202 (cont)
LM End	0.77	Issue Type +	Ma	Location *	



Inlet on LS toe.





Slide gate in concrete box on WS shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	0.77	Rating **	A/W	Issue No.	202 (cont)		
LM End	0.77	Issue Type +	Ма	Location *			
Category	ental	GPS La	tituc	le/Longitude			
Calegory				Start		End	
Item	DWR UCI	P LMA Respo	nsibility	37.4779	93 °	37.477993°	
пеш				-121.0726	45 °	-121.072645°	
DWR ID 20216							
	Comment Code						

Inspector Comment

FS_ID:51634 DS_ID:20216 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 11/18/2016 Crossing has been downgraded from Urgent to No Action Needed the debris blocking the outlet has been cleared. (O. Magana - DWR UCIP)10/01/2013 Flap gate blocked from functioning by soil buildup on WS toe. Soil should be cleared. (W. Wylie - DWR UCIP)

FIÉLD_STRUCT_DESC: 30-inch square reinforced concrete box culvert through levee, 14.4 feet below crown. Concrete "U" headwall on the waterside (WS) and landside (LS) ends. Slide gate in 6-foot by 7-foot concrete surge box is located on the WS shoulder. Flap gate is located on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin River O&M Manual Unit 13, April 1964, (HLM 0.78), Drawing No. 7-4-1784].

FS Date: 11/18/2016



Concrete inlet on LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	1.00	Rating **	М	Issue No.		203
LM End	1.00	Issue Type +	Ма	Location *		
Category	Suppleme	ental		GPS La	titud	e/Longitude
Calegory				Start		End
Item	DWR UCI	P LMA Respo	onsibility	37.4788	16°	37.478816°
пеш				-121.06878	80°	-121.068780 °
DWR ID	20217					

Inspector Comment

Comment Code

FS_ID:51636 DS_ID:20217 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

FS Date: 11/18/2016

UCIP Comments: 11/18/2016 Crossing has been downgraded from Urgent to Non-Urgent a flap gate has been added to the WS but pipe is currenly not connected to pump. According to Tony Martinez, LMA representative, this crossing is currently not in use. Owner will need to coordinate with CVFPB to obtain permit. (O. Magana - DWR UCIP)10/01/2013 Appears abandoned and if so should be done so properly. Flapgate missing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 1 of 2: 16-inch steel drainage pipe through levee, 17 feet below crown. Pumps on the pump platform are located on the landside (LS). Siphon breaker in 24-inch corrugated metal pipe (CMP) riser is located on the waterside (WS) shoulder. Concrete "U" headwall and flap gate are located on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin River O&M Manual Unit 13, April 1964, (HLM 1.01), Drawing No. 7-4-1784].

LM Start	1.00	Rating **	М	Issue No.	203 (cont)
LM End	1.00	Issue Type +	Ma	Location *	



Pumping plant on LS toe. Pipe visible under walkway.

10/01/2013 10:05

Photo 2 of 3: UCIP_FA_2018_51636_36757.jpg



Siphon breaker in 24-inch CMP riser on WS shoulder.

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Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	1.00	Rating **	М	Issue No.		203 (cont)			
LM End	1.00	Issue Type +	Ma	Location *					
Category	Supplemental			Supplemental			GPS La	titud	e/Longitude
Calegory	Category					End			
Item	DWR UCI	DWR UCIP LMA Responsibility			16°	37.478816°			
пеш				-121.06878	30°	-121.068780°			
DWR ID	20217								

Inspector Comment

Comment Code

FS_ID:51636 DS_ID:20217 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

FS Date: 11/18/2016

UCIP Comments: 11/18/2016 Crossing has been downgraded from Urgent to Non-Urgent a flap gate has been added to the WS but pipe is currenly not connected to pump. According to Tony Martinez, LMA representative, this crossing is currently not in use. Owner will need to coordinate with CVFPB to obtain permit. (O. Magana - DWR UCIP)10/01/2013 Appears abandoned and if so should be done so properly. Flapgate missing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 1 of 2: 16-inch steel drainage pipe through levee, 17 feet below crown. Pumps on the pump platform are located on the landside (LS). Siphon breaker in 24-inch corrugated metal pipe (CMP) riser is located on the waterside (WS) shoulder. Concrete "U" headwall and flap gate are located on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin River O&M Manual Unit 13, April 1964, (HLM 1.01), Drawing No. 7-4-1784].



Siphon breaker in 24-inch CMP riser on WS shoulder.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	1.00	Rating **	М	Issue No.		204
LM End	1.00	Issue Type +	Ма	Location *		
Category			GPS Latitude/Longitude			
Calegory	Category			Start		End
Item	DWR UCI	P LMA Respo	nsibility	37.47881	7°	37.478817°
пеш				-121.06877	'3 °	-121.068773 °
DWR ID	20219					·

Comment Code

Inspector Comment

FS_ID:51637 DS_ID:20219 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 11/18/2016 Crossing has been downgraded from Urgent to Non-Urgent a flap gate has been added to the WS. According to Tony Martinez, LMA representative, this crossing is currently not in use. Owner will need to coordinate with CVFPB to obtain permit. (O. Magana - DWR UCIP)10/01/2013 Appears abandoned siphon breakers covered in soil and flapgate missing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 2 of 2: 16-inch steel drainage pipe through levee, 17 feet below crown. Pump on pump platform located on the landside (LS). Siphon breaker in 24-inch riser located on the waterside (WS) shoulder. Concrete "U" headwall and flap gate are located on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin River O&M Manual Unit 13, April 1964, (HLM 1.01), Drawing No. 7-4-1784].

LM Start	1.00	Rating **	М	Issue No.	204 (cont)
LM End	1.00	Issue Type +	Ma	Location *	



Pipe visible under walkway at puming plant on LS toe.



Siphon breaker covered in soil at CMP riser on WS shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	1.00	Rating **	М	Issue No.		204 (cont)
LM End	1.00	Issue Type +	Ма	Location *		
Category	Supplemental			GPS Latitude/Longitud		
Calegory	Category					End
Item	DWR UCI	P LMA Respo	nsibility	37.4788	17°	37.478817°
пеш			-121.06877	73 °	-121.068773°	
DWR ID	20219					·

Comment Code

Inspector Comment

FS_ID:51637 DS_ID:20219 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

FS Date: 11/18/2016

UCIP Comments: 11/18/2016 Crossing has been downgraded from Urgent to Non-Urgent a flap gate has been added to the WS. According to Tony Martinez, LMA representative, this crossing is currently not in use. Owner will need to coordinate with CVFPB to obtain permit. (O. Magana - DWR UCIP)10/01/2013 Appears abandoned siphon breakers covered in soil and flapgate missing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 2 of 2: 16-inch steel drainage pipe through levee, 17 feet below crown. Pump on pump platform located on the landside (LS). Siphon breaker in 24-inch riser located on the waterside (WS) shoulder. Concrete "U" headwall and flap gate are located on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin River O&M Manual Unit 13, April 1964, (HLM 1.01), Drawing No. 7-4-1784].

Photo 3 of 3: UCIP_FA_2018_51637_36770.jpg



Concrete headwall on WS toe with missing flapgate.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	1.02	Rating **	U	Issue No.		205	
LM End	1.02	Issue Type +	Ма	Location *			
Category				GPS Latitude/Longitude			
Calegory				Start		End	
Item	DWR UCI	P LMA Respo	nsibility	37.4787	79°	37.478779°	
пеш				-121.06850)8°	-121.068508°	
DWR ID	20218						
Comment Code							

Inspector Comment

FS ID:53521 DS_ID:20218 EP_NO: N/A Repair Type: Urgent Crossing Status: Found

UCIP Comments: 10/19/2018 Pipe remains the same. WS concrete headwall is still detached with vertical erosion on the WS slope. Dense vegetation along pipe alignment made it dificult to inspect levee slopes and identify any potential issues present at this site. Recommend clearing vegetation along pipe alignment to be able to conduct a proper UCIP inspection. This crossing is part of DWR's Flood System Repair Project (FSRP) and Deferred Maintenance Project (DMP). Crossing will be monitored to identify progress of erosion on the WS slope. Crossing remains Urgent due to the detachment of the concrete wall and vertical cut on the WS. (O. Magana - DWR UCIP)11/18/2016 Same as previous inspection headwall on the WS toe has seperated from pipe and flap gate is still missing. Erosion around concrete headwall and undermined WS slope are visible from WS. The slope undermined appears to have progressed but no photos were taken due to the dense vegetation covering area. According to Tony Martinez, LMA representative, the WS concrete headwall has been detached since 2008/2009. LMA has been in contact with CVFPB, DWR, and USACE regarding this site. (O. Magana - DWR UCIP)10/01/2013 Headwall on WS toe seperated from pipe. Erosion around concrete headwall and undermined at WS toe. Flap gate missing from WS toe headwall. (W. Wylie - DWR UCIP)

FIELD_STRUCT_DESC: 30-inch square reinforced concrete box culvert through levee, 25.4 feet below crown. Concrete "U" headwalls on both waterside (WS) and landside (LS) ends. Slide gate in concrete surge box located on the WS slope. A 5-foot by 5-foot concrete box is located on LS toe. Flap gate is located on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin River O&M Manual Unit 13, April 1964, (HLM 1.02), Drawing No. 7-4-1784]. FS Date: 10/19/2018 10:23:00 AM

Photo 1 of 3: UCIP_FA_2018_53521_36786.jpg



Grated inlet and 5'X5' concrete box on LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	1.02	Rating **	U	Issue No.		205 (cont)	
LM End	1.02	Issue Type +	Ma	Location *			
Category Supplemental				GPS Latitude/Longitude			
				Start		End	
Item	DWR UCI	P LMA Respo	nsibility	37.4787	79°	37.478779°	
item				-121.068508		-121.068508°	
DWR ID 20218							
Comment Code							

Inspector Comment

FS_ID:53521 DS_ID:20218 EP_NO: N/A Repair Type: Urgent Crossing Status: Found

UCIP Comments: 10/19/2018 Pipe remains the same. WS concrete headwall is still detached with vertical erosion on the WS slope. Dense vegetation along pipe alignment made it dificult to inspect levee slopes and identify any potential issues present at this site. Recommend clearing vegetation along pipe alignment to be able to conduct a proper UCIP inspection. This crossing is part of DWR's Flood System Repair Project (FSRP) and Deferred Maintenance Project (DMP). Crossing will be monitored to identify progress of erosion on the WS slope. Crossing remains Urgent due to the detachment of the concrete wall and vertical cut on the WS. (O. Magana - DWR UCIP)11/18/2016 Same as previous inspection headwall on the WS toe has seperated from pipe and flap gate is still missing. Erosion around concrete headwall and undermined WS slope are visible from WS. The slope undermined appears to have progressed but no photos were taken due to the dense vegetation covering area. According to Tony Martinez, LMA representative, the WS concrete headwall has been detached since 2008/2009. LMA has been in contact with CVFPB, DWR, and USACE regarding this site. (O. Magana - DWR UCIP)10/01/2013 Headwall on WS toe seperated from pipe. Erosion around concrete headwall and undermined at WS toe. Flap gate missing from WS toe headwall. (W. Wylie - DWR UCIP)

FIELD_STRUCT_DESC: 30-inch square reinforced concrete box culvert through levee, 25.4 feet below crown. Concrete "U" headwalls on both waterside (WS) and landside (LS) ends. Slide gate in concrete surge box located on the WS slope. A 5-foot by 5-foot concrete box is located on LS toe. Flap gate is located on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin River O&M Manual Unit 13, April 1964, (HLM 1.02), Drawing No. 7-4-1784]. FS Date: 10/19/2018 10:23:00 AM



Grated inlet at LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	1.02	Rating **	U	Issue No.	205 (cont)	
LM End	1.02	Issue Type +	Ма	Location *		
Category	ental	GPS Latitude/Longitude				
Calegory	egory					End
Item	DWR UCI	P LMA Respo	nsibility	37.47877	79°	37.478779°
пеш				-121.06850)8 °	-121.068508°
DWR ID 20218						
Comment Code						

Inspector Comment

FS_ID:53521 DS_ID:20218 EP_NO: N/A Repair Type: Urgent Crossing Status: Found

UCIP Comments: 10/19/2018 Pipe remains the same. WS concrete headwall is still detached with vertical erosion on the WS slope. Dense vegetation along pipe alignment made it dificult to inspect levee slopes and identify any potential issues present at this site. Recommend clearing vegetation along pipe alignment to be able to conduct a proper UCIP inspection. This crossing is part of DWR's Flood System Repair Project (FSRP) and Deferred Maintenance Project (DMP). Crossing will be monitored to identify progress of erosion on the WS slope. Crossing remains Urgent due to the detachment of the concrete wall and vertical cut on the WS. (O. Magana - DWR UCIP)11/18/2016 Same as previous inspection headwall on the WS toe has seperated from pipe and flap gate is still missing. Erosion around concrete headwall and undermined WS slope are visible from WS. The slope undermined appears to have progressed but no photos were taken due to the dense vegetation covering area. According to Tony Martinez, LMA representative, the WS concrete headwall has been detached since 2008/2009. LMA has been in contact with CVFPB, DWR, and USACE regarding this site. (O. Magana - DWR UCIP)10/01/2013 Headwall on WS toe seperated from pipe. Erosion around concrete headwall and undermined at WS toe. Flap gate missing from WS toe headwall. (W. Wylie - DWR UCIP)

FIELD_STRUCT_DESC: 30-inch square reinforced concrete box culvert through levee, 25.4 feet below crown. Concrete "U" headwalls on both waterside (WS) and landside (LS) ends. Slide gate in concrete surge box located on the WS slope. A 5-foot by 5-foot concrete box is located on LS toe. Flap gate is located on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin River O&M Manual Unit 13, April 1964, (HLM 1.02), Drawing No. 7-4-1784]. FS Date: 10/19/2018 10:23:00 AM



Slide gate in concrete riser next to shed on WS shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	1.05	Rating **	М	Issue No.		2	
LM End	1.05	Issue Type +	Ma	Location *		WS	
Category				GPS Latitude/Longitude			
Calegory	Category					End	
Item	DWR Ero	sion Survey		37.4785	67°	37.478567°	
пеш				-121.0678	47°	-121.067847°	
DWR ID	RD1602U0	02U01RM97.68					
Comment Code							

Inspector Comment

09/20/2017: The erosion was discovered during the spring levee inspection. The size of the erosion is roughly estimated due to dense vegetation at the site. [2017 Site ID:RD1602U01RM97.68]

LM Start	1.05	Rating **	М	Issue No.	2 (cont)
LM End	1.05	Issue Type +	Ma	Location *	WS



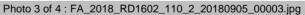
Close view of the erosion. The erosion is covered by dense vegetation at the site.

Photo 2 of 4: FA_2018_RD1602_110_2_20180905_00002.jpg



Close view of the erosion.

LM Start	1.05	Rating **	М	Issue No.	2 (cont)
LM End	1.05	Issue Type +	Ма	Location *	WS





Looking up at the erosion from the levee toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	1.05	Rating **	М	Issue No.	ssue No. 2 (cont		
LM End	1.05	Issue Type +	Ма	Location *	WS		
Category	ental	GPS Latitude/Longitude					
Calegory	Category					End	
Item	DWR Ero	sion Survey		37.4785	67°	37.478567°	
пеш			-121.0678	47°	-121.067847°		
DWR ID RD1602U01RM97.68							
Comment Code							

Inspector Comment

09/20/2017: The erosion was discovered during the spring levee inspection. The size of the erosion is roughly estimated due to dense vegetation at the site. [2017 Site ID:RD1602U01RM97.68]

Photo 4 of 4: FA_2018_RD1602_110_2_20180905_00004.jpg



Close view of the erosion.

LM Start	1.14	Rating **	С	Issue No.		76	
LM End	1.14	Issue Type +	Ma	Location *	WS		
Category Earthen Levee				GPS Latitude/Longitude			
				Start		End	
Item	Trim / Thi	n Trees		37.47828	89°	37.478289°	
пеш			-121.06629	96°	-121.066296 °		
DWR ID DWR_RD1602_01_s _ 2018_76						·	
Comment Code							

T1: Trim trees to at least five feet above ground level.

Inspector Comment

No Photos

LM Start	1.19	Rating **	М	Issue No.	32		
LM End	1.19	Issue Type +	Ma	Location *	WS		
Category Earthen Levee				GPS La	atitud	e/Longitude	
				Start		End	
Item	Animal Co	Animal Control			47°	37.478347	0
пеш	item				61 °	-121.065361	0
DWR ID DWR_RD1602_01_f _ 2017_32							
Comment Code							

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

No Photos

* Location

LS : Land Side N/A: Not Applicable

WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated

C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	1.25	Rating **	М	Issue No.		78		
LM End	1.25	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Trim / Thin Trees				14°	37.478614°		
пеш			-121.064490 °		-121.064490 °			
DWR ID	DWR ID DWR_RD1602_01_s _ 2018_78							
		Comn	nent Coc	de				
T4: Trim t	rees over	roadway to at	least 12	feet above	grou	und level.		
	Inspector Comment							

No Photos

LM Start	1.43	Rating **	М	Issue No.		102
LM End	2.18	Issue Type +	Ma	Location *	LS	
Category Earthen Levee			GPS Latitude/Longitude			
			Start		End	
Item	Vegetation			37.4790	12°	37.470266°
пеш				-121.0614	48 °	-121.055937°
DWR ID DWR_RD1602_01_f _ 2018_102					·	
Comment Code						

V1: Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No Photos

LM Start	1.57	Rating **	М	Issue No.		33	
LM End	1.57	Issue Type +	Ma	Location *	LS		
Category Earthen Levee			GPS Latitude/Longitude				
Category				Start		End	
Item	Encroach	ments		37.4781	13°	37.478113	0
пеш	m			-121.0592	87°	-121.059287	0
DWR ID	NR ID DWR_RD1602_01_f _ 2017_33						
Comment Code							

PR: Prunings

Inspector Comment

Photo 1 of 1: FA_2018_RD1602_110_33_20180905_00013.jpg



View of prunings on the landside of the levee.

* Location LS : Land Side N/A: Not Applicable

WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	1.70	Rating **	М	Issue No.		103
LM End	1.99	Issue Type +	Ma	Location *		WS
Category Earthen Levee				GPS La	atitud	e/Longitude
Calegory			Start		End	
Item	Vegetation			37.4765	58°	37.472262°
пеш				-121.0581	83°	-121.057879°
DWR ID	DWR_RD1	602_01_f _ 201	8_103			
		Comn	nent Coo	le		
V1 : Contro easements		grass and wee	ds on th	e levee slo	pes a	and
Inspector Comment						

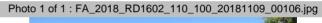
No Photos

LM Start	2.01	Rating **	U	Issue No.		100
LM End	2.59	Issue Type +	Ма	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Category		Start		End		
Item	Vegetatio	n		37.4720	87°	37.469037°
item				-121.0578	34°	-121.049111°
DWR ID	DWR_RD1	602_01_f _ 201	8_100			

Comment Code

V1: Control annual grass and weeds on the levee slopes and easements.

Inspector Comment





dense brush along waterside shoulder and slope. (Fall 2018)

Photo 1 of 1: FA_2018_RD1602_110_99_20181109_00109.jpg

LM Start	2.20	Rating **	U	Issue No.		99
LM End	2.53	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	titud	e/Longitude
Calegory				Start		End
Item	Vegetatio	n		37.4701	87°	37.469565°
пеш				-121.0555	69°	-121.049977°
DWR ID	DWR RD1	602 01 f 201	8 99			

Comment Code

V1: Control annual grass and weeds on the levee slopes and easements.

Inspector Comment



View of dense brush on landside slope. (Fall 2018)

* Location

N/A: Not Applicable

LS : Land Side WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	2.29	Rating **	М	Issue No.		79	
LM End	2.29	Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
Category			Start		End		
Item	Animal Control			37.470348°		37.470348°	
пеш				-121.05398	87°	-121.053987°	
DWR ID	DWR_RD1	602_01_s _ 201	7_79				
		Comn	nent Coc	de			
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.							

Inspector Comment

No Photos

Rating ** Issue No. 2.56 М 81 LM Start 2.56 Issue Type + Location * WS LM End Ma Earthen Levee GPS Latitude/Longitude Category Start End **Animal Control** 37.469268° 37.469268 ° Item -121.049413° -121.049413 ° DWR_RD1602_01_s _ 2017_81 DWR ID

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



View of a rodent hole on the waterside slope of the levee.

LM Start	2.67	Rating **	С	Issue No.		19	
LM End	2.67	Issue Type +	Ma	Location *	WS		
Category Earthen Levee			GPS Latitude/Longitude				
			Start		End		
Item	Animal Control			37.468212°		37.468212	٥
пеш				-121.04809	96°	-121.048096	0
DWR ID DWR_RD1602_01_s _ 2016_19							
Comment Code							

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Otant	2.78	Rating **	A/W	Issue No.		98
LM Start	2.70					
LM End	2.78	Issue Type +	Ма	Location *		WS
Category	Earthen Levee			GPS La	atitud	e/Longitude
Category				Start		End
Item	Erosion / I	Bank Caving		37.4669	97°	37.466997 °
пеш	item			-121.0466	606°	-121.046606 °
DWR ID DWR_RD1602_01_f _ 2018_98						
Comment Code						
		Inspecto	or Comm	nent		
erosion sp	ot at water	side toe				
·						

LM Start	2.78	Rating **	A/W	Issue No.	98 (cont)
LM End	2.78	Issue Type +	Ma	Location *	WS



erosion at waterside toe. (Fall 2018)

Photo 2 of 2: FA_2018_RD1602_110_98_20181109_00110.jpg



close up view of erosion at toe. (Fall 2018)

LM Start	2.79	Rating **	С	Issue No.		41	
LM End	2.79	Issue Type +	Ma	Location *	WS		
Catagony	Category Earthen Levee			GPS Latitude/Longitude			
Calegory			Start		End		
Item	ontrol	37.4668	87°	37.466887°			
item				-121.046460 °		-121.046460 °	
DWR ID	DWR ID DWR_RD1602_01_f _ 2016_41						
		Comn	nent Cod	de			
A3 : No rocompact o		le, but rodent rows.	burrows	visible; ne	ed to	backfill and	
		Inspecto	or Comm	nent			

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	2.82	Rating **	М	Issue No.	44		
LM End	2.82	Issue Type +	Ма	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Category			Start		End		
Item	Animal Control			37.466645 °		37.466645°	
пеш				-121.0461	48 °	-121.046148°	
DWR ID	DWR_RD1	602_01_f _ 201	6_44			·	
Comment Code							
A3 : No ro	dents visib	le, but rodent	burrows	visible; nee	ed to	backfill and	

compact or grout burrows.

Inspector Comment





View of redoent holes on the landside of the levee.

LM Start	2.85	Rating **	М	Issue No.		46
LM End	2.85	Issue Type +	Ма	Location *		WS
Category	evee	GPS Latitude/Longitude				
Calegory			Start		End	
Item	Animal Control			37.4662	94°	37.466294°
пеш			-121.04569	93°	-121.045693°	
DWR ID	DWR_RD1602_01_f _ 2016_46					

Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

No Photos

	LM Start	2.86	Rating **	M	Issue No.		47	
	LM End	2.86	Issue Type +	Ma	Location *		WS	
	Category	Earthen L	evee	GPS Latitude/Longitude				
	Calegory				Start		End	
	Item	Animal Co	ontrol		37.4661	66°	37.466166	٥
Item					-121.0455	27°	-121.045527	0
	DWR ID	DWR RD1	602 01 f 201	6 47				

Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



View of rodent holes on the waterside of the levee. Fall 2016

Location LS: Land Side

N/A: Not Applicable

WS: Water Side

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated

C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	2.87	Rating **	U	Issue No.	96		
LM End	2.87	Issue Type +	Ма	Location *	CR		
Category Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
ltom	Animal Control			37.4660	81 °	37.466081 °	
item	Item				82°	-121.045382°	
DWR ID DWR_RD1602_01_f _ 2018_96							
Comment Code							

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Large rodent hole in crown and at landside toe.



View of rodent hole in crown. (Fall 2018)

LM Start	2.89	Rating **	М	Issue No.		49	
LM End	2.89	Issue Type +	Ма	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory			Start		End		
Item	Animal Control			37.4658	98°	37.465898°	
пеш				-121.04520	09°	-121.045209°	
DWR ID	DWR_RD1	602_01_f _ 201	6_49				

Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Photo 1 of 1: FA_2018_RD1602_110_49_20180905_00023.jpg



View of rodent holes on the waterside slope of the levee. Spring 2017

Photo 1 of 1: FA_2018_RD1602_110_51_20180905_00025.jpg

LM Start	2.95	Rating **	М	Issue No.	sue No. 51		
LM End	2.95	Issue Type +	Ma	Location *	WS		
Category Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Item	Animal Control			37.46519	90°	37.465190°	
пеш			-121.04458	34°	-121.044584°		
DWR ID	DWR RD1	602 01 f 201	6 51				

Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



View of a rodent hole on the waterside of the levee.

Location

N/A: Not Applicable

LS: Land Side WS: Water Side

: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated

C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	2.98	Rating **	М	Issue No.	95		
LM End	2.98	Issue Type +	Ма	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Item	, Animal Control			37.464810°		37.464810°	
item				-121.0442	48 °	-121.044248°	
DWR ID DWR_RD1602_01_f _ 2018_95							
	Comment Code						

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

No Photos

No Photos

LM Start	3.16	Rating **	С	Issue No.		25	
LM End	3.16	Issue Type +	Ma	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory			Start		End		
Item	Animal Co	ontrol		37.4629	47°	37.462947°	
пеш			-121.041967°		-121.041967°		
DWR ID	DWR_RD1602_01_s _ 2016_25						

Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

3.24 Issue Type + Ma Location * LS LM End Earthen Levee GPS Latitude/Longitude Category Start End **Animal Control** 37.461879° 37.461879° Item -121.041519° -121.041519°

Issue No.

94

Rating **

DWR ID DWR_RD1602_01_f _ 2018_94

3.24

Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

No Photos

* Location

LM Start

LS: Land Side N/A: Not Applicable

WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

A/W: Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	3.32	Rating **	М	Issue No.		56
LM End	3.32	Issue Type +	Ма	Location *		LS
Category Earthen Levee				GPS Latitude/Longitude		
Calegory	liegory					End
Item	Animal Control			37.4608	11 °	37.460811 °
пеш			-121.0420	78°	-121.042078 °	
DWR ID DWR_RD1602_01_s _ 2017_56						
Comment Code						

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



View of rodent holes on the landside of the levee. Fall 2016

LM Start	3.36	Rating **	М	Issue No.		53
LM End	3.49	Issue Type +	Ма	Location *		LS
Category	evee	GPS Latitude/Longitude				
Calegory				Start		End
Item	Vegetation			37.4603	75°	37.458892°
пеш				-121.0424	52°	-121.043794°
DWR ID	DWR_RD1602_01_f _ 2017_53					

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

No Photos

LM Start	3.43	Rating **	М	Issue No.		57
LM End	3.43	Issue Type +	Ма	Location *		WS
Category Earthen Levee				GPS La	atitud	e/Longitude
Calegory	ory			Start		End
Item	Animal Control			37.4595	52°	37.459552°
пеш				-121.0432	79°	-121.043279°
DWR ID	DWR_RD1	602_01_f _ 201	7_57			•

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



View of a rodent hole on the waterside of the levee.

* Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

** Rating

A : Acceptable N : Not Inspected/Rated M: Maintenance Deficiancy

M : Minimally Acceptable CR : Corrected Ob: Design & System Obsolescence

U : Unacceptable A/W : Acceptable but Monitor & Maintain En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	3.76	Rating **	М	Issue No.	83	
LM End	3.76	Issue Type +	Ma	Location *		WS
Category Earthen Levee				GPS La	atitud	e/Longitude
Category		Start		End		
Item	Encroachments			37.455414°		37.455414°
nem				-121.0437	'65 °	-121.043765°
DWR ID	DWR_RD1	602_01_s _ 201	7_83			
		Comn	nent Cod	de		
TR : Tree	or limb					
Inspector Comment						



View of a tree trunk on the waterside slope of the levee.

LM Start	3.90	Rating **	М	Issue No.		84
LM End	3.90	Issue Type +	Ma	Location *		WS
Category Earthen Levee				GPS Latitude/Longitude		
Calegory	Category			Start		End
Item	Animal Control			37.4535	66 °	37.453566°
item		-121.0423	76°	-121.042376°		
DWR ID DWR_RD1602_01_s _ 2017_84						
			_			

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Photo 1 of 1 : FA_2018_RD1602_110_84_20180905_00055.jpg



View of rodent holes on the waterside of the levee.

LM Start	3.93	Rating **	М	Issue No.		62
LM End	3.93	Issue Type +	Ма	Location *		LS
Category Earthen Levee				GPS Latitude/Longitude		
Calegory	ategory			Start		End
Item	Slope Stability			37.4532	16°	37.453216°
пеш				-121.0421	27°	-121.042127°
DWR ID	DWR_RD1602_01_s _ 2012_62					

Comment Code

S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

Significant damage to USACE constructed seepage berm due to human activity.

Photo 1 of 1 : FA_2018_RD1602_110_62_20180905_00034.jpg



Repair damage to USACE constructed seepage berm by pedestrian and cycle traffic.

* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy Ob: Design & System Obsolescence C: Corrected A/W: Acceptable but Monitor & Maintain

** Rating

A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	3.96	Rating **	М	Issue No.	85	
LM End	3.96	Issue Type +	Ма	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
Category				Start		End
Item	Crown Surface / Depressions / Rutting			37.45293	1°	37.452931 °
пеш				-121.04186	3°	-121.041863 °
DWR ID	DWR_RD1602_01_s _ 2017_85					
	Comment Code					

C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.

Inspector Comment

No Photos

No Photos

LM Start	3.98	Rating **	С	Issue No.		69
LM End	3.98	Issue Type +	Ma	Location *		WS
Category	Earthen L	GPS Latitude/Longitude				
Calegory	ıy			Start		End
Item	Animal Control			37.4526	40°	37.452640°
пеш			-121.0416	46°	-121.041646°	
DWR ID	DWR_RD1602_01_f _ 2016_69					

Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

LM Start	4.02	Rating **	C	issue No.		58
LM End	4.02	Issue Type +	Ma	Location *		WS
Category	evee	GPS Latitude/Longitude				
Category				Start E		End
Item	Animal Control			37.4521	18°	37.452118°
пеш				-121.0413	06°	-121.041306°
DWR ID	DWR_RD1	602_01_f _ 201	7_58			

Innua Nin

D-+i-- **

Comment Code A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

No Photos

* Location

LS : Land Side WS: Water Side

N/A: Not Applicable

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	4.24	Rating **	С	Issue No.		71		
LM End	4.24	Issue Type +	Ma	Location *	WS			
Category Earthen Levee				GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Animal Co	mal Control			08°	37.449608°		
пеш			-121.038968 °		-121.038968 °			
DWR ID	DWR_RD1	602_01_f _ 201	6_71					
		Comn	nent Coc	le				
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.								
Inspector Comment								

No Photos

Rating ** Issue No. С LM Start 4.35 88 Location * 4.35 Issue Type + WS LM End Earthen Levee GPS Latitude/Longitude Category Start End **Animal Control** 37.448170° 37.448170° Item -121.038072 ° -121.038072 ° DWR_RD1602_01_s _ 2017_88 DWR ID **Comment Code**

No Photos

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

	LM Start	4.48	Rating **	С	Issue No.	90		
	LM End	4.48	Issue Type +	Ma	Location *	WS		
	Category	Earthen L	evee		GPS La	atituc	de/Longitude	
	Category				Start		End	
	Item	Encroachments			37.446413°		37.446413	
			-121.0378	88°	-121.037888	0		
	DWR ID	DWR_RD1						
			Comn	nent Coo	de			
PR : Prunings								

Inspector Comment

No Photos

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR · Crown	II · I Inaccentable	A/W · Accentable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	4.52	Rating **	С	Issue No.		35			
LM End	4.52	Issue Type +	Ма	Location *		WS			
Category	Catagon/ Earthen Levee			GPS La	atitud	le/Longitude			
Calegory				Start		End			
Item	Animal Control			37.4457	85 °	37.445785 °			
item				-121.0377	74°	-121.037774 °			
DWR ID	DWR_RD1	DWR_RD1602_01_s _ 2016_35							
Comment Code									
A1 : Exterminate rodents and backfill and compact or grout burrows.									

Inspector Comment

Photo 1 of 1 : FA_2018_RD1602_110_91_20180905_00058.jpg

No Photos



View of rodent holes on the waterside of the levee looking downstream. Spring 2017

LM Start	4.55	Rating **	М	Issue No.		91	
LM End	4.55	Issue Type +	Ma	Location *		WS	
Category Earthen Levee			GPS La	atitud	e/Longitude		
Calegory				Start		End	
Animal Control			37.4454	02 °	37.445402°		
пеш				-121.0377	06 °	-121.037706°	
DWR ID	DWR_RD1	7_91					
	Comment Code						

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

hole in waterside slope and shoulder of waterside and landside

LM Start	4.60	Rating **	С	Issue No.		65		
LM End	4.60	Issue Type +	Ma	Location *	WS			
Category Earthen Levee				GPS Latitude/Longitude				
Category				Start		End		
Item	Animal Control			37.4446	66°	37.444666 °		
пеш				-121.0377	48 °	-121.037748°		
DWR ID	DWR_RD1	602_01_f _ 201	7_65					
	Comment Code							

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR · Crown	II · I Inaccentable	A/W · Accentable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	4.64	Rating **	М	Issue No.	68			
LM End	5.23	Issue Type +	Ма	Location *	LS			
Category Earthen Levee			GPS Latitude/Longitude					
Category			Start		End			
Item	Vegetation		37.44403	88°	37.436190°			
пеш				-121.03796	3°	-121.036132 °		
DWR ID	DWR_RD1	DWR_RD1602_01_f _ 2017_68						
	Comment Code							
V2 : Remo	ve the wild	growth other	than na	tive grasses	fro	m the levee		

slopes.

Inspector Comment

Issue No. 4.67 Rating ** М 72 LM Start 5.23 Issue Type + Location * WS LM End Earthen Levee GPS Latitude/Longitude Category Start End Vegetation 37.443719° 37.436190° Item -121.037902 ° -121.036135 ° DWR_RD1602_01_f _ 2017_72 DWR ID Comment Code

V2: Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

No Photos

No Photos

LM Start	4.77	Rating **	С	Issue No.	74				
LM End	4.77	Issue Type +	Ma	Location *	WS				
Category	Earthen L	evee		GPS La	titud	e/Longitude			
				Start		End			
Item	Animal Co	ontrol		37.44246	65°	37.442465	0		
пеш				-121.03694	17°	-121.036947	٥		
DWR ID	DWR_RD1	602_01_s _ 201	5_74						
Comment Code									

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

No Photos

* Location

LS: Land Side

WS: Water Side

N/A: Not Applicable

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	4.85	Rating **	М	Issue No.		87		
LM End	5.13	Issue Type +	Ma	Location *		CR		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Category				Start		End		
Item	Vegetatio	n		37.4413	76°	37.437541 °		
пеш				-121.0366	99°	-121.036965 °		
DWR ID	DWR ID DWR_RD1602_01_f _ 2018_87							
		Comn	nent Cod	de				
V9 : Keep	the crown	roadway free	of veget	ation.				
		Inspecto	or Comm	nent				
Keep crown clear of vegetation								

No Photos

LM Start	5.08	Rating **	М	Issue No.		89	
LM End	5.13	Issue Type +	Ма	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory					Start		
Item	Slope Sta	bility		37.4382	49°		0
пеш			-121.0371	00°		0	
DWR ID	DWR_RD1						
DWR ID	DWR ID DWR_RD1602_01_f _ 2018_89						

Comment Code

S3: Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

damage to slope appears to be from vehicle traffic

LM Start	5.08	Rating **	М	Issue No.	89 (cont)
LM End	5.13	Issue Type +	Ma	Location *	LS

Photo 1 of 2: FA_2018_RD1602_110_89_20181109_00113.jpg



View along landside slope looking upstream. (Fall 2018)

Photo 2 of 2 : FA_2018_RD1602_110_89_20181109_00114.jpg



Upclose view of some of the damage to slope. (Fall 2018)

* Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

** Rating

A : Acceptable N : Not Inspected/Rated M: Minimally Acceptable CR : Corrected U: Unacceptable A/W : Acceptable but Monitor & Maintain

** Rating

A : Not Applicable M: Not Inspected/Rated M: Minimally Acceptable D: C: Corrected Ob: Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	5.09 Rating ** M		Issue No.		199	
LM End	5.09	Issue Type +	Ma	Location * WS		WS
Category	Catagoni Earthen Levee				atitud	e/Longitude
Calegory			Start		End	
Item	Animal Co	ontrol		37.4381	65 °	37.438165°
пеш				-121.0370	73°	-121.037073°
DWR ID	DWR ID DWR_RD1602_01_s _ 2014_199					
		Comn	nent Coc	la		

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



Rodent holes were found on the waterside toe of the levee looking upstream.

LM Start	5.13	Rating **	М	Issue No.		92	
LM End	5.13	Issue Type +	Ма	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitud			
Calegory				Start		End	
Item	Animal Co	Animal Control			27°	37.437527°	
item				-121.0369	67°	-121.036967 °	
DWR ID DWR_RD1602_01_s _ 2017_92							
	0						

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and

compact or grout burrows.

Inspector Comment



View of a rodent hole on the waterside shoulder of the levee looking downstream.

LM Start	5.18	Rating **	Issue No.		48	
LM End	5.18	Issue Type + Ma		Location *		WS
Category	Earthen L	GPS La	atitud	e/Longitude		
Calegory						End
Item	Animal Co	ontrol		37.4367	85 °	37.436785°
пеш			-121.0365	93 °	-121.036593°	
DWR ID	DWR_RD1602_01_s _ 2016_48					

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Rodent holes possibly worsen by dogs.

Photo 1 of 1 : FA_2018_RD1602_110_48_20180905_00022.jpg



View of rodent holes on the waterside of the levee looking downstream.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	5.19	М	Issue No.		209		
LM End	5.19	Issue Type +	Ма	Location *	Location *		
Category	Supplemental				GPS Latitude/Longitude		
Calegory			Start		End		
Item	DWR UCI	P LMA Respo	nsibility	37.43674	18°	37.436748°	
пеш				-121.03659	97°	-121.036597°	
DWR ID 20208							
Comment Code							

Inspector Comment

FS_ID:51336 DS_ID:20208 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 11/18/2016 Same as previous inspection soil and debris prevent flap gate from properly fuctioning and slide gate won't close due to sediment build up. Crossing has been downgraded from Urgent to Non-Urgent due to no pipe or levee integrity issues observed during the site visit. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to coordinate with CVFPB to properly abandon or remove according to Title 23 requirements. (O. Magana - DWR UCIP)10/01/2013 Soil and debris prevent flapgate from proper function. Slide gate won't close completely due to sediment buildup. CMP riser needs cover. (W. Wylie - DWR UCIP)

FIELD_STRUCT_DESC: 24-inch steel pipe through levee, 11.6 feet below crown. Concrete headwall on the landside (LS) end. Concrete "U" headwall and flap gate located on the waterside (WS) end. Slide gate in 60-inch corrugated metal pipe (CMP) riser is located on the WS slope. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin River O&M Manual Unit 13, April 1964, (HLM 5.23), Drawing No. 7-4-1784].

FS Date: 11/18/2016

LM Start	5.19	Rating **	М	Issue No.	209 (cont)
LM End	5.19	Issue Type +	Ma	Location *	



Slide gate in CMP riser on WS slope. Outlet visible under tree in background.

Photo 2 of 3: UCIP FA 2018 51336 36821.jpg



Flapgate in Concrete headwall on WS toe under tree.

* Location
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating
A: Acceptable N: Not Inspected/Rated M: Ma: Maintenance Deficiancy
C: Corrected Ob: Design & System Obsolescence
U: Unacceptable A/W: Acceptable but Monitor & Maintain

** Rating
A: Acceptable M: N: Not Inspected/Rated M: Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	5.19	Rating **	М	Issue No.	209 (cont)		
LM End	5.19	Issue Type +	Ма	Location *			
Category		GPS Latitude/Longitude					
Calegory				Start		End	
DWR UCIP LMA Responsibility		37.43674	8°	37.436748°			
item				-121.036597 °		-121.036597°	
DWR ID	20208						

Inspector Comment

Comment Code

FS_ID:51336 DS_ID:20208 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 11/18/2016 Same as previous inspection soil and debris prevent flap gate from properly fuctioning and slide gate won't close due to sediment build up. Crossing has been downgraded from Urgent to Non-Urgent due to no pipe or levee integrity issues observed during the site visit. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to coordinate with CVFPB to properly abandon or remove according to Title 23 requirements. (O. Magana - DWR UCIP)10/01/2013 Soil and debris prevent flapgate from proper function. Slide gate won't close completely due to sediment buildup. CMP riser needs cover. (W. Wylie - DWR UCIP)

FIELD_STRUCT_DESC: 24-inch steel pipe through levee, 11.6 feet below crown. Concrete headwall on the landside (LS) end. Concrete "U" headwall and flap gate located on the waterside (WS) end. Slide gate in 60-inch corrugated metal pipe (CMP) riser is located on the WS slope. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin River O&M Manual Unit 13, April 1964, (HLM 5.23), Drawing No. 7-4-1784].

FS Date: 11/18/2016

Photo 3 of 3 : UCIP_FA_2018_51336_36820.jpg

Concrete headwall at intlet on LS toe.

LM Start	5.21	Rating **	U	Issue No.		40	
LM End	5.21	Issue Type +	Ma	Location *		CR	
Category Earthen Levee		GPS Latitude/Longitude					
Calegory				Start		End	
Item	Repair Gates			37.436488°		37.436488°	
пеш				-121.03636	64°	-121.036364°	
DWR ID DWR_RD1602_01_f _ 2018_40							
Comment Code							

Inspector Comment

unable to access through gate. None of the keys provided work with lock. LMA does not have key either

Photo 1 of 1 : FA_2	018_RD1602_	_110_40_	_20181109_	_00115	.jpg
The state of the s			and the		



DWR and LMA do not have keys for locks on gate. (Fall 2018)

* Location
LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

** Rating
A: Acceptable
N: Not Inspected/Rated
M: Minimally Acceptable
C: Corrected
U: Unacceptable
A/W: Acceptable but Monitor & Maintain

** Rating
A: Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	5.22	Rating **	М	Issue No.		52	
LM End	5.22	Issue Type +	Ma	Location *		WS	
Category Earthen Levee			GPS Latitude/Longitude				
Calegory	y			Start		End	
Item	Animal Co	ontrol		37.4363	93 °	37.436393°	
item				-121.0362	96°	-121.036296°	
DWR ID DWR_RD1602_01_s _ 2018_52							
Comment Code							

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Large rodent hole on waterward slope.

Photo 1 of 1 : FA_2018_RD1602_110_52_20180905_00026.jpg



Looking at rodent hole and erosion around rodent hole on waterward slope.

LM Start	5.23	Rating **	A/W	Issue No.		210		
LM End	5.23	Issue Type +	Ма	Location *				
Category				GPS Latitude/Longitude				
Category				Start		End		
Item	DWR UC	IP LMA Respo	nsibility	37.4362	46°	37.436246°		
пеш				-121.0361	93 °	-121.036193 °		
DWR ID	DWR ID 20209							
Comment Code								

Inspector Comment

FS_ID:21665 DS_ID:20209 EP_NO: 8192

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments:

FIELD_STRUCT_DESC: 1 of 2: 36-inch by 36-inch reinforced concrete box drainage culvert through the levee, 15.8 feet below the crown. Slide gate in a 6-foot by 7-foot concrete surge box on the waterside (WS) slope. 36-inch concrete pipes buried on both sides of the levee and connected to the reinforced concrete box culvert. Constructed through the levee section. (two 36-inch by 36-inch culvert [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 8192, 1972 - Stanislaus County). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 13, April 1964, (HLM 5.27), Drawing No. 7-4-1784].

FS Date: 10/1/2013

Photo 1 of 2 : UCIP_FA_2018_21665_36829.jpg



Shed with slide gate in Concrete riser on WS shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	5.23	Rating **	A/W	Issue No.		210 (cont)
LM End	5.23	Issue Type +	Ма	Location *		
Category			GPS Latitude/Longitude			
Calegory	Category			Start		End
Item	DWR UCI	P LMA Respo	nsibility	37.43624	6°	37.436246°
пеш			-121.03619	3°	-121.036193°	
DWR ID	20209					

Inspector Comment

Comment Code

FS_ID:21665 DS_ID:20209 EP_NO: 8192

Repair Type: No Action Needed Crossing Status: Found UCIP Comments:

FIELD_STRUCT_DESC: 1 of 2: 36-inch by 36-inch reinforced concrete box drainage culvert through the levee, 15.8 feet below the crown. Slide gate in a 6-foot by 7-foot concrete surge box on the waterside (WS) slope. 36-inch concrete pipes buried on both sides of the levee and connected to the reinforced concrete box culvert. Constructed through the levee section. (two 36-inch by 36-inch culvert [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 8192, 1972 - Stanislaus County). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 13, April 1964, (HLM 5.27), Drawing No. 7-4-1784].

FS Date: 10/1/2013



Likely risers for pipe off LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	5.23	Rating **	A/W	Issue No.		211
LM End	5.23	Issue Type +	Ма	Location *		
Category	Supplemental			GPS Latitude/Longitude		
Calegory						End
Item	DWR UCI	P LMA Respo	nsibility	37.43622	27°	37.436227°
пеш				-121.03616	69°	-121.036169°
DWR ID	20222					

Comment Code

Inspector Comment

FS_ID:21668 DS_ID:20222 EP_NO: 8192

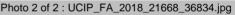
Repair Type: No Action Needed Crossing Status: Found UCIP Comments:

FIELD_STRUCT_DESC: 2 of 2: 36-inch by 36-inch reinforced concrete box drainage culvert through the levee, 15.8 feet below the crown. Slide gate in a 6-foot by 7-foot concrete surge box on the waterside (WS) slope. 36-inch concrete pipes buried on both sides of the levee and connected to the reinforced concrete box culvert. Constructed through the levee section. (two 36-inch by 36-inch culvert [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 8192, 1972 - Stanislaus County). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 13, April 1964, (HLM 5.27), Drawing No. 7-4-1784].

LM Start	5.23	Rating **	A/W	Issue No.	211 (cont)
LM End	5.23	Issue Type +	Ма	Location *	



Slide gate in Concrete vault on WS shoulder.





Possible concrete risers for pipe off LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	5.24	Rating **	A/W	Issue No.		212	
LM End	5.24	Issue Type +	Ма	Location *			
Category			GPS Latitude/Longitude				
Calegory				Start		End	
Item	DWR UC	P LMA Respo	nsibility	37.43612	29°	37.436129°	
пеш				-121.03606	65 °	-121.036065 °	
DWR ID	20210						
Comment Code							

Inspector Comment

FS_ID:21672 DS_ID:20210 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found UCIP Comments:

FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box drainage culvert through the levee, 12.9 feet below the crown. Slide gate in a concrete surge box on the waterside (WS) slope. Concrete discharge boxes on both ends. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 13, April 1964, (HLM 5.28), Drawing No. 7-4-1784].

FS Date: 10/1/2013

LM Start	5.24	Rating **	A/W	Issue No.	212 (cont)
LM End	5.24	Issue Type +	Ma	Location *	



Slidegate in concrete riser on WS shoulder.

Photo 2 of 3: UCIP_FA_2018_21672_36847.jpg



Concrete outlet on WS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	5.24 Rating ** A/W		Issue No.		212 (cont)		
LM End	5.24	Issue Type +	Ма	Location *			
Category	Supplemental			GPS Latitude/Longitude			
Calegory		Start		End			
Item	DWR UCIP LMA Responsibility			37.43612	9°	37.436129	0
item				-121.03606	5 °	-121.036065	0
DWR ID	20210						

Inspector Comment

Comment Code

FS_ID:21672 DS_ID:20210 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found UCIP Comments:

FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box drainage culvert through the levee, 12.9 feet below the crown. Slide gate in a concrete surge box on the waterside (WS) slope. Concrete discharge boxes on both ends. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 13, April 1964, (HLM

5.28), Drawing No. 7-4-1784].

FS Date: 10/1/2013



Concrete inlet on LS toe.

LM Start	5.24	Rating **	U	Issue No.		38		
LM End	5.45	Issue Type +	Ma	Location *	LS			
Category	Earthen Levee			GPS Latitude/Longitude				
Calegory			Start		End			
Item	Vegetatio	Vegetation			00°	37.433677°		
пеш			-121.035987°		-121.033853°			
DWR ID	DWR_RD1602_01_f _ 2018_38							
Comment Code								
V1 : Control annual grass and weeds on the levee slopes and easements.								

Inspector Comment

Photo 1 of 1: FA_2018_RD1602_110_38_20181109_00116.jpg



dense brush on landside slope and toe. (Fall 2018)

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

5.32	Rating **	U	Issue No.		37		
5.77	Issue Type +	Ma	Location *		WS		
Earthen L	evee		GPS La	atitud	e/Longitude		
			Start		End		
ltem Vegetation			37.4330	38°	37.433038°		
			-121.028270 °		-121.028270 °		
DWR_RD1	602_01_f _ 201	8_37					
	Comn	nent Cod	de				
V2 : Remove the wild growth other than native grasses from the levee slopes.							
	Inspecto	or Comm	nent				
	5.77 Earthen L Vegetation	5.77 Issue Type + Earthen Levee Vegetation DWR_RD1602_01_f _ 201 Commode the wild growth other	5.77 Issue Type + Ma Earthen Levee Vegetation DWR_RD1602_01_f_2018_37 Comment Coove the wild growth other than na	5.77 Issue Type + Ma Location * Earthen Levee GPS Li Start Vegetation 37.4330 -121.0282 DWR_RD1602_01_f _ 2018_37	5.77 Issue Type + Ma Location * Earthen Levee GPS Latitud Start Vegetation 37.433038121.028270 DWR_RD1602_01_f _ 2018_37 Comment Code we the wild growth other than native grasses from		

Ма

Issue No.

Location *

noto 1 of 2 : FA_2018_RD1602_110_37_20181109_00	117.jpg
376	
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	3
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	-
新的一种特殊的人。	ation .
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Large bush on levee shoulder. (Fall 2018)

Photo 2 of 2: FA_2018_RD1602_110_37_20181109_00118.jpg



slope (Fall 2018)

wild growth on waterside s

37 (cont)

WS

LM Start

LM End

5.32

5.77

Rating **

Issue Type +

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

CR : Crown

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	5.46 Rating **		М	Issue No.		213
LM End	5.46	Issue Type +	Ма	Location *		
Category			GPS Latitude/Longitude			
Calegory			Start		End	
Itom	ltem DWR UCIP LMA Responsibility			37.43364	6°	37.433646°
пеш				-121.03384	6 °	-121.033846°
DWR ID	20211					

Inspector Comment

Comment Code

FS_ID:21674 DS_ID:20211 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 10/01/2013 Pipe appears abandoned and if so

should be done so properly. (W. Wylie - DWR UCIP)

FIELD_STRUCT_DESC: *ABANDONED* 12-inch drainage pipe of an unknown material through the levee, 6.9 feet below the crown. Flap gate on the waterside (WS) end. Could not locate, March 1984. (Reclamation District No. 1602). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 13, April 1964, (HLM 5.50). Drawing No. 7-4-17841

5.50), Drawing No. 7-4-1784]. FS Date: 10/1/2013



Pipe and flapgate visible on WS toe.

LM Start	5.51	Rating **	U	Issue No.		27	
LM End	5.82	Issue Type +	Ма	Location *		LS	
Catagonia Earthen Levee				GPS Latitude/Longitude			
Category			Start		End		
Item	Vegetation			37.4331	72 °	37.433107°	
item			-121.0330	53°	-121.027423°		
DWR ID	ID DWR_RD1602_01_f _ 2018_27						

Comment Code
V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Photo 1 of 1: FA_2018_RD1602_110_27_20181109_00119.jpg



brush blocking view of landside slope. (Fall 2018)

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	5.72	Rating **	М	Issue No. 214		214	
LM End	5.72	Issue Type +	Ma	Location *			
Category Supplemental			GPS Latitude/Longitude				
Calegory				Start		End	
Itom	ltem DWR UCIP LMA Responsibility			37.433003°		37.433003°	
item				-121.029346°		-121.029346°	
DWR ID	20212						
Comment Code							

Inspector Comment

FS_ID:51337 DS_ID:20212 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 11/18/2016 Crossing has been downgraded from Urgent to Non-Urgent flap gate is functional. Recommend clearing dense vegetation from WS and LS slopes. (O. Magana - DWR UCIP)10/01/2013 Flapgate has minor blockage preventing gate from

fully closing. (W. Wylie - DWR UCIP)

FIELD_STRUCT_DESC: 30-inch square reinforced concrete box culvert through levee, 9 feet below crown. Slide gate in concrete surge box is located on the waterside (WS) slope. Concrete "U" headwalls are located on both the waterside (WS) and landside (LS) ends. Flap gate is located on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin River O&M Manual Unit 13, April 1964, (HLM 5.28), Drawing No. 7-4-1784].

FS Date: 11/18/2016

LM Start	5.72	Rating **	M	Issue No.	214 (cont)	
LM End	5.72	Issue Type +	Ma	Location *		



Slide gate in concrete riser on WS shoulder.

Photo 2 of 3: UCIP_FA_2018_51337_36877.jpg



Concrete U-shaped headwall on LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	5.72	Rating **	М	Issue No.		214 (cont)
LM End	5.72	Issue Type +	Ма	Location *		
Category	Supplemental			GPS Latitude/Longitude		
Calegory				Start		End
Item	DWR UCIP LMA Responsibility			37.43300	3°	37.433003 °
пеш				-121.02934	6°	-121.029346°
DWR ID	20212					

Inspector Comment

Comment Code

FS_ID:51337 DS_ID:20212 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 11/18/2016 Crossing has been downgraded from Urgent to Non-Urgent flap gate is functional. Recommend clearing dense vegetation from WS and LS slopes. (O. Magana - DWR UCIP)10/01/2013 Flapgate has minor blockage preventing gate from fully closing. (W. Wylie - DWR UCIP)

FIELD_STRUCT_DESC: 30-inch square reinforced concrete box culvert through levee, 9 feet below crown. Slide gate in concrete surge box is located on the waterside (WS) slope. Concrete "U" headwalls are located on both the waterside (WS) and landside (LS) ends. Flap gate is located on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin River O&M Manual Unit 13, April 1964, (HLM 5.28), Drawing No. 7-4-1784].

FS Date: 11/18/2016



Concrete U-shaped headwall on LS toe.

LM Start	5.81	Rating **	U	Issue No.		34	
LM End	5.81	Issue Type +	Ma	Location *		WS	
Category Earthen Levee			GPS Latitude/Longitude				
Category	Category			Start		End	
Item	Trim / Thin Trees			37.433081 °		37.433081 °	
item				-121.027632 °		-121.027632°	
DWR ID DWR_RD1602_01_f _ 2018_34							
Comment Code							
T2: Thin trace to allow visibility of the ground and room to flood fight							

T2: Thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment



trim tree to 5 feet above ground. (Fall 2018)

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

	F 00	Poting **	U	Issue No.		75	
LM Start	5.82	Rating **	U	issue ivo.		75	
LM End	5.93	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Itom	ltem Vegetation				04°	37.432447°	
пеш					21 °	-121.026391 °	
DWR ID DWR_RD1602_01_s _ 2012_75							
		Comn	nent Cod	de			
V2 : Remove the wild growth other than native grasses from the levee slopes.							
Inspector Comment							

 LM Start
 5.82
 Rating **
 U
 Issue No.
 75 (cont)

 LM End
 5.93
 Issue Type +
 Ma
 Location *
 WS



dense vegetation on waterside slope. (Fall 2018)

Photo 2 of 2: FA_2018_RD1602_110_75_20180905_00046.jpg



Looking at upstream at dense vegatation on waterward slope. (Spring 2018)

LM Start	5.82	Rating **	М	Issue No.		24	
LM End	5.90	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category						End	
ltom	Vegetation			37.4331	08°	37.432800 °	
item				-121.027367 °		-121.026151 °	
DWR ID DWR_RD1602_01_f _ 2018_24							
		Comn	nent Cod	de			
V1 : Contre		grass and wee	eds on th	e levee slo	pes	and	
Inspector Comment							

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	5.86	Rating **	M	Issue No.		26
LM End	5.86	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Calegory			Start		End	
Item	Trim / Thin Trees			37.4331	42 °	37.433142°
пеш				-121.026702 °		-121.026702 °
DWR ID	DWR_RD1	602_01_f _ 201	8_26			
		Comn	nent Coc	de		
T1: Trim t	rees to at I	east five feet	above g	round level.		
Inspector Comment						

No Photos

5.90	Rating **	U	Issue No.		61			
6.22	Issue Type +	Ма	Location *		LS			
Earthen Levee				GPS Latitude/Longitude				
Category					End			
Vegetation			37.4327	94°	37.429165°			
Item				46°	-121.029682°			
DWR ID DWR_RD1602_01_s _ 2012_61								
	6.22 Earthen L Vegetation	6.22 Issue Type + Earthen Levee Vegetation	6.22 Issue Type + Ma Earthen Levee Vegetation	6.22 Issue Type + Ma Location * Earthen Levee GPS La Start Vegetation 37.4327 -121.0261	6.22 Issue Type + Ma Location * Earthen Levee GPS Latitud Start Vegetation 37.432794 ° -121.026146 °			

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

LM Start	5.90	Rating **	U	Issue No.	61 (cont)
I M End	6.22	Issue Type +	Ma	Location *	LS

Photo 1 of 2: FA_2018_RD1602_110_61_20181109_00122.jpg



View of vegetation on landside shoulder and slope. (Fall 2018)

Photo 2 of 2: FA_2018_RD1602_110_61_20180905_00033.jpg



Vegetation was obstructing the view of the landside of the levee.

*Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

**Rating

A : Acceptable N : Not Inspected/Rated M : Maintenance Deficiancy

C : Corrected Ob : Design & System Obsolescence

U : Unacceptable A/W : Acceptable but Monitor & Maintain

**Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	11/06/2018 11/06/2018	Corey Fujitani

LM Start	6.13	Rating **	U	Issue No.		86	
LM End	6.13	Issue Type +	Ма	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Vegetation			37.430181 °		37.430181°	
				-121.028679°		-121.028679 °	
DWR ID	DWR_RD1602_01_s _ 2018_86						
Comment Code							
V2 : Remove the wild growth other than native grasses from the levee slopes.							
Inspector Comment							
Cactus blocking view of waterward slope.							

Photo 1 of 1 : FA_2018_RD1602_110_86_20180905_00056.jpg

Looking south at dense cactus on waterward slope.